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[Plants det. R. Pullen]

8-22. vi. 1977

8/6. Along beach from Orchid Beach Resort to Waddy Point. *Pycnostictus striatus*, *Atractomorpha similis* *Casuarina* sp. + ground cover around freshwater lagoons behind beach, incl. *Sponoeca* + grasses.

9/6. Site 1. — Orchid Beach Resort. Regeneration from burn c. 2 yr previously on gentle slope on white sand back from steep fall-away to beach. Scattered eucalypt regrowth, with abundant *Acacia* sp. (rather succulent phyllodes) + a few other shrubs (all regrowth to c. 3ft), abundant bracken + *Imperata* + patches of a wiry grass, ~~to~~ all to 2ft. *Warramaba* *Eriachne pallidus* R. Br. associated with the wiry grass (spec), *Moribala* with shrubs. *Heteropternis*.

Site 2. — 6-12 mi. SW. by S. of Indian Head. Base of cliff behind beach. *Casuarina* to 15ft. with shrubs + dense ground cover of *Sponoeca*, *Kennedya*, other forbs, + grasses. *Heteropternis*.

Site 3. — Mouth of Eli Cr., SW. by S. of Indian Head.

10/6. c. 2 km NW. of Orchid Beach Resort on gently undulating white sand. back to Ocean Lake. Eucalypts to 15ft, *Banksia* *serotifolia* *phyllodineus* *serotifolia*, *Acacia* spp., miscellaneous microphylls

rather. *Heide* sp. P98, *Monitula* sp. P82, *Genus* nov. 17 sp. 1,
 shrubs to 3ft., some grass. Mostly regrowth
Certhya pyrochroensis
 after fire 1-2 yr previously.

11/6. Orchid Beach Resort (same site as on 9/6).
Achyrocladus sp. P354, *Monitula* sp. P82, *Genus* nov. 17 sp. 1
Monitula largely on the phyllocladous *Acacia*.

12/6. Site 4. — *Imperata* & another grass on flat
 sand at coastward margin of airstrip.

Austrobaileya guthrieana, *Heterostemmis*.

Site 5. — C. 2 km NW. of Orchid Beach Resort,
Adreppus fallax
 in moist hollow between low fore-dune &
 high second dune. *Melaleuca* sp. to 20ft &
Banksia robusta to 7ft killed by fire in previous
 season & in part regenerating. *Imperata*,
 bracken, a saw-tooth fern ^{to 2ft}, some *Gahnia* to
 4ft, patches of cyperaceae.

14/6. Orchid Beach Resort. *Valanga* on creeper in
 garden. *Valanga irregularis*

15/6. Site 6. — Sandy Cape Lighthouse. Sand, with
Acrida conica, *Pycnostictus sinuatus* ^{Short}
 (mowed) grass around lighthouse. *Tropidodermis*
 on wall of lighthouse.

C. 2 km ~~W. of~~ W. by S. of
 Site 7. Sandy Cape. White sand inland from
Coryphopterus carolinensis, *Parabittia femoralis*,
 Beach. *Casuarina*, *Banksia integrifolia* (2), &
Podocarpus neriifolius, *Macrotona* sp. 21
Acacia sp. to 20ft, shrubs to 8ft, scattered grass,
 leading to dense shrub thickets margining
 to 25ft, ^{dense}
 paperbark swamps, in places with cyperaceous

stands to 4ft, occ. eves to 20ft.

Site 8. - Orchid Beach Resort. *Valanga* on garden shrub, *Croket* in unit.

Site 9. -

16/6. Orchid Beach Resort. Grasses, incl. spec. *Heteropterus obscurus*, *Austrocris gutturalis*, from 9/6, with scattered clumps of phyllode *Pseudomunroa graveola*, *Moribala* sp. P82. *Acacia* sp. (as 9/6) to 3ft, on white sand margining airstrip. *Pseudomunroa* on grass sp. from 9/6.

Site 10. - Orchid Beach Resort. Washed up on beach.

Site 11. -

17/6. White sand 5km ~~in~~ ^{by S.} ~~off~~ ^{SW.} of Orchid Beach *Genus* nov. 17 sp. 1, *Heide* sp. P98, *Moribala* sp. P82, *Adreppus* *fallax* (f.) *Resort* (Wathumba Ck. road). Heath to 2ft, incl. miscellaneous mainly ericoid shrubs, *Xanthorrhoea* spp. (2), rarely sedge occ. to 1ft. *Banksia serratifolia* ~~serrata~~ to 8ft, occ. eves to 10ft, occ. *Leptospermum* to 5ft.

Site 12. - Margin of swamp ~~3km~~ ^{by S.} ~~in~~ ^{E.} of mouth of Wathumba Ck. *Adreppus fallax*, *Genus* nov. 9 sp. 1. *Banksia robusta* to 5ft, *Gahnia* sp. to 4ft, various sedges & some grasses & forbs to 1ft, patches taller coarse sedges to 3ft.

Site 13. White sand with mixed eves to 40ft, *Goniata australasica* *Tristania conferta* & *T. laurifolia* to 40ft, occ. *Hakea* sp. to 15ft & *Acacia* sp. to 10ft, *Imperata*

+ other grasses to 2ft, occ. shrubs.

18/6. Radio Hill, C. 1 Km S. up. of Orchid Beach
Coryphospora ruscicola, *Mimosa* ~~nana~~ ^{leaves not to sp. 1},
Resort. White sand on slopes + summit of
Aechuraba sp. 35t, *Coptolittia* sp.
high, well vegetated sandhill. *E. guineensis*,
Angophora costata, + occ. other trees to 30ft,
Casuarina sp., *Acacia* (*phyllodineus*) ~~to~~ spp. (2) to
20ft, *Leptospermum* ^{sp.} _{bracken} occ to 6ft, *Imperata*, the
grass spec. from 9/6, + occ. *Hibbertia* sp. + other
shrubs or regrowth to 1ft, occ. low ferns (spec.)
Schinus molle (L.) Sm.

19/6. Margin of Ocean Lake. White sand. Paper-barks,
Valanga *imbricaria*, *Oxya japonica* (?!),
E. kasularis, *Tristania conferta*, *T. laurifolia* ~~to~~
+ a fan palm, all to 20ft, *Banksia robusta* to
7ft, *Gahnia* sp. to 7ft, other sedges 2-4ft, ferns,
Imperata to 18in. *Valanga* on *Banksia*,
Oxya on sedges 2-3ft